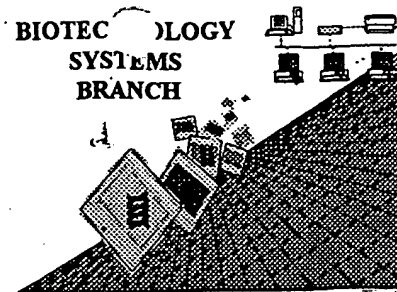


Harris
Gutman

BIOTEC HNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/302,195A

Source:

1600 RUSA

Date Processed by STIC:

11/7/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

ERROR DETECTEDSUGGESTED CORRECTIONSERIAL NUMBER: 09/302,195A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOF

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 ✓ Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/302,195A

DATE: 11/07/2001

TIME: 13:15:22

Input Set : A:\26046400.ST25.txt

Output Set: N:\CRF3\11072001\I302195A.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Marchant, Roger
4 Qiu, Yongxing
5 Ruegsegger, Mark
7 <120> TITLE OF INVENTION: Surfactants That Mimic The Glycocalyx
9 <130> FILE REFERENCE: 26046/04000
11 <140> CURRENT APPLICATION NUMBER: 09/302,195A
12 <141> CURRENT FILING DATE: 1999-04-29
14 <160> NUMBER OF SEQ ID NOS: 10
16 <170> SOFTWARE: PatentIn version 3.0
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 3
20 <212> TYPE: PRT
21 <213> ORGANISM: hydrophilic oligopeptide
23 <400> SEQUENCE: 1
25 Arg Gly Asp
26 1
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 4
30 <212> TYPE: PRT
31 <213> ORGANISM: hydrophilic oligopeptide
33 <400> SEQUENCE: 2
35 Arg Gly Asp Ser
36 1
38 <210> SEQ ID NO: 3
39 <211> LENGTH: 5
40 <212> TYPE: PRT
41 <213> ORGANISM: hydrophilic oligopeptide
43 <400> SEQUENCE: 3
45 Arg Gly Asp Ser Pro
46 1 5
48 <210> SEQ ID NO: 4
49 <211> LENGTH: 4
50 <212> TYPE: PRT
51 <213> ORGANISM: hydrophilic oligopeptide
53 <400> SEQUENCE: 4
55 Arg Arg Ala Arg
56 1
58 <210> SEQ ID NO: 5
59 <211> LENGTH: 6
60 <212> TYPE: PRT
61 <213> ORGANISM: hydrophilic oligopeptide
63 <400> SEQUENCE: 5
65 Arg Arg Arg Lys Arg Arg
66 1 5
68 <210> SEQ ID NO: 6
69 <211> LENGTH: 8
70 <212> TYPE: PRT

see item 10 on Eura Summary
Sheet
(global eura)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/302,195A

DATE: 11/07/2001
TIME: 13:15:22

Input Set : A:\26046400.ST25.txt
Output Set: N:\CRF3\11072001\I302195A.raw

71 <213> ORGANISM: hydrophilic oligopeptide
73 <400> SEQUENCE: 6
75 Pro Pro Arg Arg Ala Arg Val Thr
76 1 5
78 <210> SEQ ID NO: 7
79 <211> LENGTH: 11
80 <212> TYPE: PRT
81 <213> ORGANISM: hydrophilic oligopeptide
83 <400> SEQUENCE: 7
85 Pro Pro Arg Glu Val Val Pro Arg Pro Arg Pro
86 1 5 10
88 <210> SEQ ID NO: 8
89 <211> LENGTH: 11
90 <212> TYPE: PRT
91 <213> ORGANISM: hydrophilic oligopeptide
93 <220> FEATURE:
94 <221> NAME/KEY: misc_feature
95 <222> LOCATION: (11)..(11)
96 <223> OTHER INFORMATION: any of the naturally occurring amino acids
99 <400> SEQUENCE: 8
OK 101 Gly Ser Ser Ser Gly Arg Gly Asp Ser Pro Xaa
102 1 5 10
104 <210> SEQ ID NO: 9
105 <211> LENGTH: 5
106 <212> TYPE: PRT
107 <213> ORGANISM: hydrophilic oligopeptide
109 <400> SEQUENCE: 9
111 Arg Arg Lys Arg Arg
112 1 5
114 <210> SEQ ID NO: 10
115 <211> LENGTH: 10
116 <212> TYPE: PRT
117 <213> ORGANISM: hydrophilic oligopeptide
119 <400> SEQUENCE: 10
121 Pro Pro Arg Glu Val Val Pro Arg Pro Arg
122 1 5 10

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/302,195A

DATE: 11/07/2001

TIME: 13:15:23

Input Set : A:\26046400.ST25.txt

Output Set: N:\CRF3\11072001\I302195A.raw

L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8